WG102
ProSafe™ Wireless Access Point 802.11g

- *Help is there when you need it! NETGEAR provides 24x7 technical support* in English, with selected local language support during office hours.*

Intelligent Networking Features for a Scalable, Secure Solution

NETGEAR's ProSafe 802.11g Wireless Access Point WG102 delivers the secure, reliable, high performance wireless local area networks (WLANs) today's mobile workforce demands.

This powerful device provides the industry standard access to corporate network resources, email and the Internet. Fully compatible with IEEE 802.11g, (2.4 GHz), it can also be set for dynamic 108 Mbps 802.11g. With its robust security measures, simplified management and configuration, SNMP support, integrated IEEE 802.3af power over Ethernet (PoE), and Wi-Fi certification, the WG102 brings standards-based enterprise-level functionality at a mid-market price.

Security

Complies with industry security standards for wireless data encryption, and user authorization. 802.11i ready, WPA provides enhanced, interoperable wireless networking security. WPA and 802.1x support enables strong mutual authentication to ensure that only legitimate clients associate with corporate RADIUS servers. Supports MAC address authentication with 256-user Access Control List (ACL) and VPN pass-through.

Management

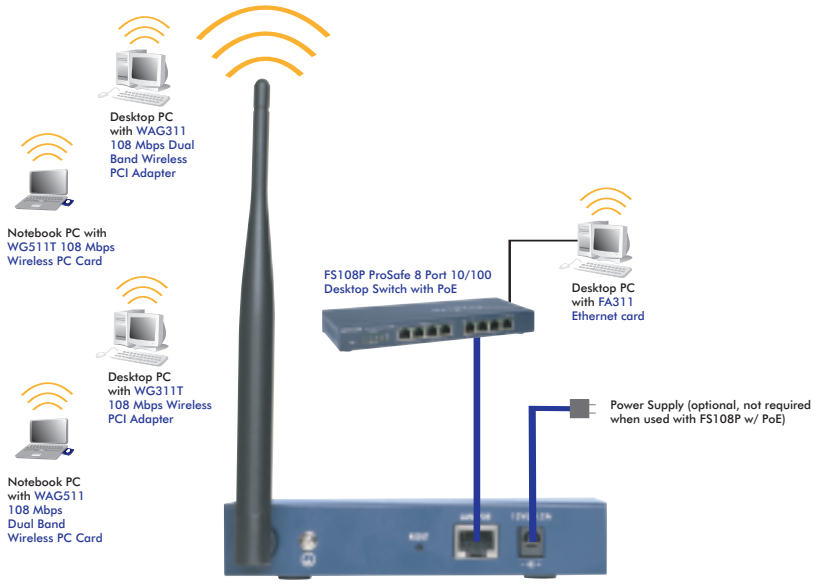
Integrated IEEE 802.3af-based Power over Ethernet (PoE) support eliminates extra cables and the need to locate near a power outlet, as the access point is powered over the Ethernet cable. Supports Simple Network Management Protocol (SNMP) MIB I, MIB II, and 802.11 MIB using SNMP-based network management software, such as NETGEAR ProSafe Network Management System NMS100. Supports all popular 802.1x port-based authentication protocols, including Extensible Authentication Protocol (EAP) Transport Layer Security (TLS), Protected EAP (PEAP), and Tunneled TLS (TTLS).

Aptitude

IEEE 802.11g wireless standard – with optional speeds up to 108 Mbps – takes care of business communications with great dispatch and skill. Delivers functionality for point-to-point and point-to-multi-point bridging and repeater modes. High performance wireless features combine with a typical -75 dBm receive sensitivity (Rx) at 54 Mbps, 19 dBm transmit power (Tx) and a high gain 5 dBi omni-directional antenna for optimal range and throughput.

Usability

Cost effective, simple to install and use. Plenum rated – appropriate for placement above drop-down ceilings and under raised floors. Equipped with convenient Smart Wizard™ browser-based interface. Fitted with a single, detachable 5 dBi antenna – compatible with NETGEAR's ProSafe antennas for expanded wireless capacity and range. Protected with a NETGEAR 3-year warranty.


Desktop PC with WAG311 108 Mbps Dual Band Wireless PCI Adapter
Notebook PC with WG511T 108 Mbps Wireless PC Card
Desktop PC with WG311T 108 Mbps Wireless PCI Adapter
Notebook PC with WAG511 108 Mbps Dual Band Wireless PC Card
FS108P ProSafe 8 Port 10/100 Desktop Switch with PoE
Desktop PC with FA311 Ethernet card
Power Supply (optional, not required when used with FS108P w/ PoE)

108 Mbps 2.4 GHz 802.11g

NETGEAR®
Everybody's connecting.

NETGEAR Related Products

- FS108P ProSafe 8 Port 10/100 Desktop Switch with PoE
- FVL328 ProSafe™ VPN Firewall 100
- FVS338 ProSafe™ VPN Firewall 50
- FVS318 ProSafe™ VPN Firewall 8
- FWG114P ProSafe™ 802.11g Wireless Firewall with Print Server
- WAG511 Dual Band 802.11a/b/g Wireless PC Card
- WAG311 Dual Band 802.11a/b/g/ Wireless PCI Adapter
- WG511T 108 Mbps Wireless PC Card
- WG311T 108 Mbps Wireless PCI Adapter
- NMS100 ProSafe Network Management Software

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* Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

**Actual performance may vary due to operating conditions

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Product Specifications

- **Wireless:**
  - **Standard:** IEEE 802.11g 54 Mbps
  - **Antennas:** One (1) 5 dBi detachable 2.4 GHz

- **Physical Interfaces:**
  - **LAN Port:** One (1) 10/100BASE-T Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af Power over Ethernet (PoE) support
  - **Power adapter:** Output 12 VDC, 1.2 A; plug is localized to country of sale
  - **Four (4) LEDs:** Power, Test, 100 Mbps, Link/ACT, and WLAN 802.11g
  - **Antenna Connector:** One (1) reverse SMA

- **Network Management:**
  - Remote configuration and management through Web browser, SNMP or Telnet with command line interface (CLI)
  - SNMP management supports SNMP MIB I, MIB II, and 802.11 MIB

- **Advanced Wireless Features:**
  - Bridging and repeater mode
  - Adjustable transmit power control 100 mW down to 0 mW

- **Typical Maximum Power Output:**
  - 802.11b mode, 1 to 11 Mbps +19 dBm
  - 802.11g mode, 6 to 24 Mbps +18 dBm
  - 802.11g mode, 36, 48 and 54 Mbps +17/16/16 dBm

Note: Maximum Tx varies based on country and/or region selection to ensure local regulatory compliance.

- **Receive Sensitivity:**
  - **802.11b**

2 Mbps	-93 dBm
5.5 Mbps	-91 dBm
11 Mbps	-89 dBm

  - **802.11g**

6 Mbps	-91 dBm
9 Mbps	-90 dBm
12 Mbps	-89 dBm
18 Mbps	-87 dBm
24 Mbps	-84 dBm
36 Mbps	-81 dBm
48 Mbps	-77 dBm
54 Mbps	-75 dBm
108 Mbps	-73 dBm

- **Power Over Ethernet Required:**
  - 4.3 W

- **Security:**
  - Wi-Fi Protected Access (WPA) and 802.11i-ready
  - Block SSID Broadcast
  - VPN pass-through support
  - MAC address filtering with access control lists – up to 256 users
  - 802.1x RADIUS support with EAP TLS, TTLS, PEAP

- **Standards, Safety and Electromagnetic Conformance:**
  - IEEE 802.11g (2.4 GHz Frequency Band, DSSS Modulation Type)
  - IEEE 802.3af Power over Ethernet (PoE)
  - FCC Part 15 Subpart B and Subpart C
  - CE EN 60950-1 (2001), EN 301 489-17 V1.2.1 (2002), EN 301 489-1 V1.4.1 (2002), EN 300 328-1 (2001-12), EN 300 328-2 (2001-12), R&TTE Directive 99/5/EC, CSIPR22(B), AS/NZS 3548 (B)
  - Plenum Rated

- **Physical Specifications:**
  - **Dimensions:** 14.1 x 10 x 2.7 cm (5.56 x 3.94 x 1.06 in.)
  - **Weight:** 386 g (.85 lb)

- **Environmental Specifications:**
  - **Operating temperature:** 0 to 40° C (32 to 104° F)
  - **Operating humidity:** 90% maximum relative humidity, noncondensing

- **Warranty:**
  NETGEAR 3-year warranty

Package Contents

- ProSafe 802.11g Wireless Access Point WG102
- One (1) 5 dBi Detachable Antenna
- Resource CD
- Power adapter
- Ethernet cable
- Installation guide
- Warranty/support information card

System Requirements

- Windows® 98, Me, 2000, or XP
- 2 Mbytes of available disk space

Antennas and Accessories

- ANT24O5 ProSafe 5 dBi Omni-directional antenna
- ANT2409 ProSafe 9 dBi Indoor/Outdoor Omni-directional Antenna
- ANT24D18 ProSafe 18 dBi Indoor/Outdoor Directional antenna
- Five (5) antenna cable lengths: 1.5, 3, 5, 10, and 30 m

N10947 CE0678 !
FC Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE